

INCH-POUND

MIL-DTL-25708/2B(USAF)  
23 July 1999  
SUPERSEDING  
MIL-A-25708/2A(USAF)  
7 November 1972

DETAIL SPECIFICATION SHEET

ANTENNA, BLADE, AS-2685/A

This specification is approved for use by the Department of the Air Force and is available for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the antenna described herein shall consist of this document and the latest issue of MIL-DTL-25708.

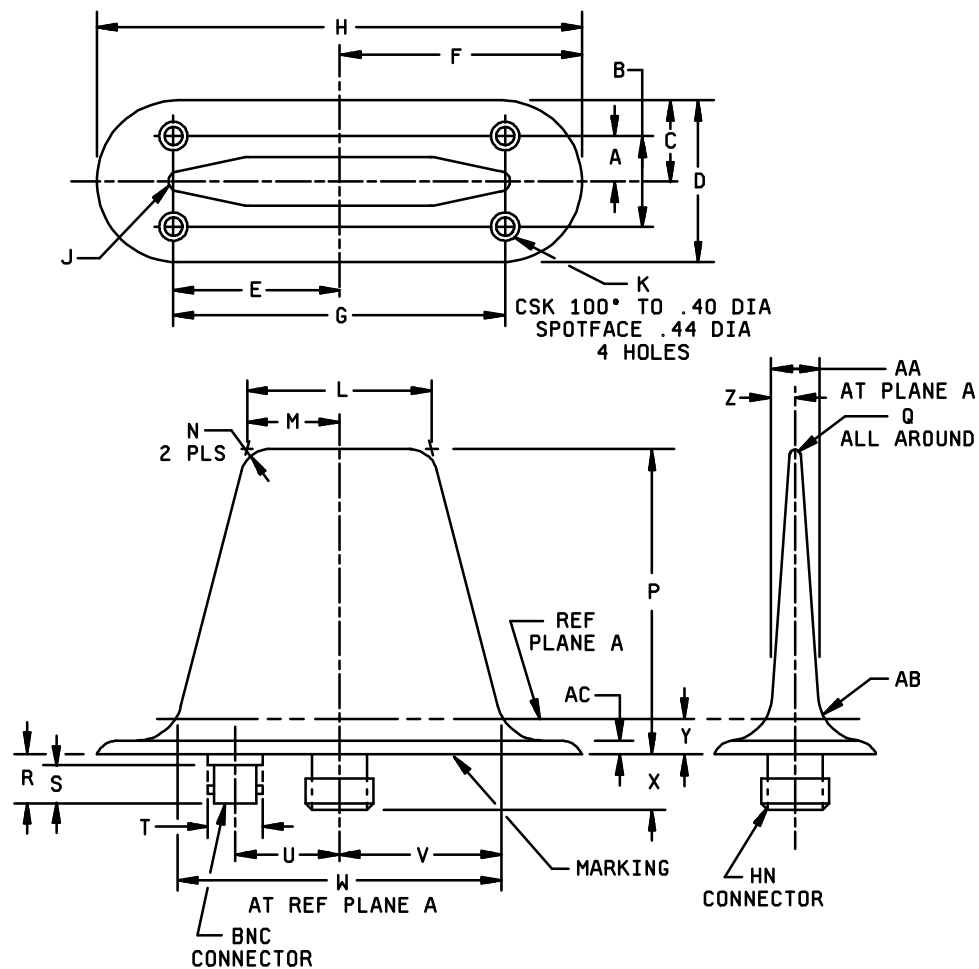


FIGURE 1. Outline drawing antenna AS-2685/A.

Ltr	Dimensions			
	Inches		Millimeters	
	Min	Max	Min	Max
A	.485	.495	12.32	12.57
B	.975	.985	24.77	25.02
C	.86	.88	21.8	22.4
D	1.74	1.76	44.2	44.7
E	1.79	1.81	45.5	46.0
F	2.61	2.63	66.3	66.8
G	3.595	3.605	91.31	91.57
H	5.24	5.26	133.1	133.6
K	.190 DIA	.202 DIA	4.83 DIA	5.13 DIA
L	---	2.00	---	50.8
M	---	1.00	---	25.4
N	.30 R	.32 R	7.6 R	8.2 R
P	---	3.30	---	83.8
Q	.06 R	.09 R	1.5 R	2.3 R
R	---	.534	---	13.56
S	.414	---	10.52	---
T	---	.598	---	15.19
U	1.12	1.14	28.5	29.0
V	---	1.75	---	44.4
W	---	3.505	---	89.03
X	---	.60	---	15.2
Y	.35	---	8.9	---
Z	---	.22	---	5.6
AA	---	.44	---	11.2
AB	.49R	.51R	12.4R	13.0R
AC	.120	.130	3.05	3.30
Reference dimensions				
J	.06 R		1.5 R	

## NOTES:

1. Dimensions are in inches.
2. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.

FIGURE 1. Outline drawing antenna AS-2685/A - Continued.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Materials:

Base: Aluminum alloy in accordance with ASTM B85, alloy SC84B.

Cover: Metal or other suitable material.

Temperature operating range: -55°C to 250°C.

Side loading: 10.5 psig (100 pounds).

Frequency: 960 to 1,220 MHz.

Impedance: 50 ohms nominal.

VSWR:

Antenna: 1.4:1 maximum from 960 to 1,220 MHz.  
1.3:1 maximum from 1,000 to 1,100 MHz.

Sampling probe: 1.5:1 maximum from 960 to 1,220 MHz.

Power: 4 kW peak, 100 watts average.

Weight: 8 ounces.

Part or Identifying Number (PIN): M25708/2-02.

Data list: A data list shall accompany each antenna with VSWR measurement.  
Values made at 960, 1,100, and 1,200 MHz.

Intended for use on F-4 aircraft.

Custodians:  
Air Force - 11

Review activities:  
Air Force - 99

Preparing activity:  
DLA - CC

(Project 5985-1158-002)